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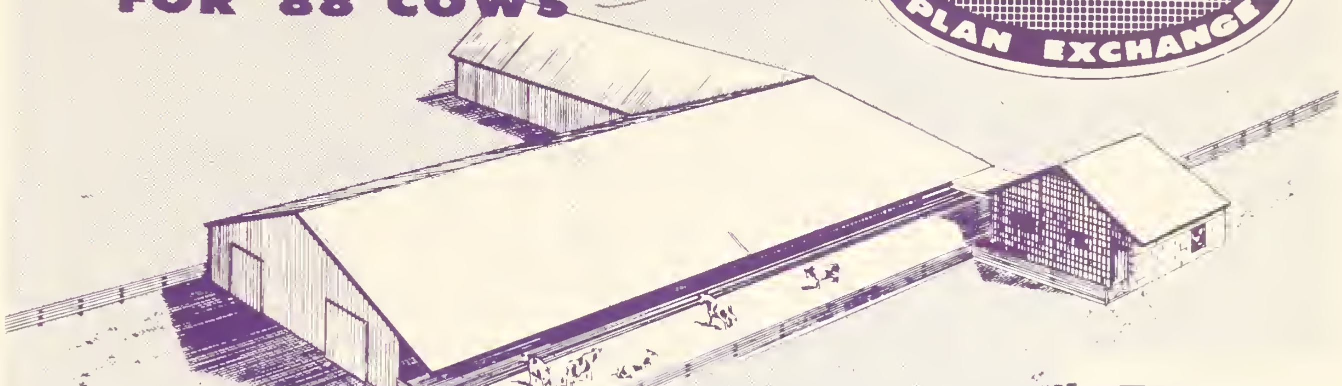
Free-Stall HOUSING SYSTEM

FOR 88 COWS

COOPERATIVE FARM BUILDING
Plan No. 6025
(1 SHEET)
PLAN EXCHANGE



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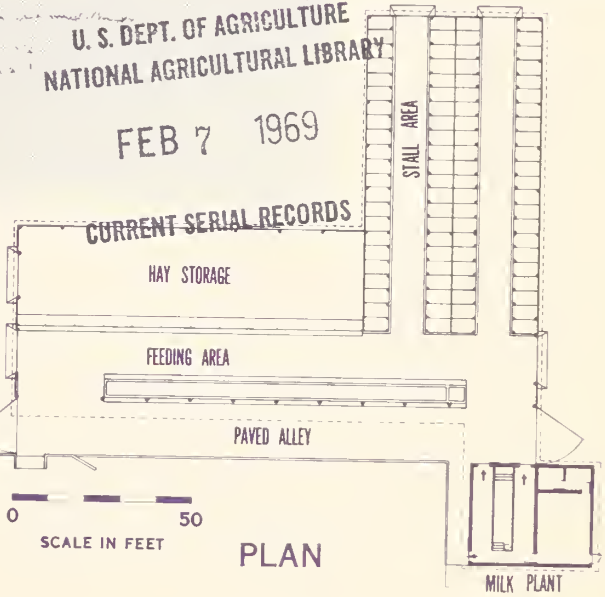

PLAN

This partially open housing system for cows was designed in the Northeast, but is suitable for use in many parts of the United States.

The plan suggests an L-shaped arrangement with the milking plant offset at the corner. The open side of the feeding area should face south. The barn elements shown are 48 feet wide with a 5- or 10-foot roof overhang on the south side.

Both hay and silage may be fed at the same time. Storage space is provided for over 100 tons of baled hay. The silage bunk may be filled from a self-unloading truck or by conveyor.

No details of construction are shown on the plan. However, clear-span roof framing is recommended for the barn to eliminate interior supports that might interfere with the movement of cattle or of the tractor used for scraping the paved areas.

The barn may be either a well-designed pole-type building, using the commercially fabricated roof trusses available in many areas, or a prefabricated metal framed building. The structure selected must be sturdy enough to resist the heaviest snow or wind loads that can be expected to occur in a particular area. Consult your county agricultural agent or State extension agricultural engineer for specific recommendations on this subject.

Ventilation, especially in the free-stall area, minimizes dampness and reduces the possibility of condensation on the underside of the roofing. As a minimum, in addition to the open south wall, continuous 6-inch slots under the sidewall eaves and continuous ridge ventilators with 6- to 8-inch openings are suggested.

Both the size and the details of construction for the milking plant will vary according to the equipment selected and the applicable health regulations.

A large-scale plan may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6025, FREE-STALL HOUSING SYSTEM FOR 88 COWS

Washington, D.C.

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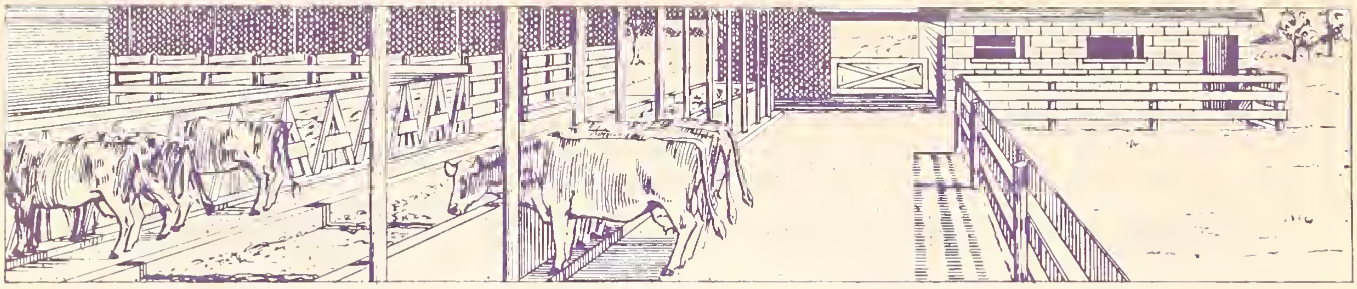
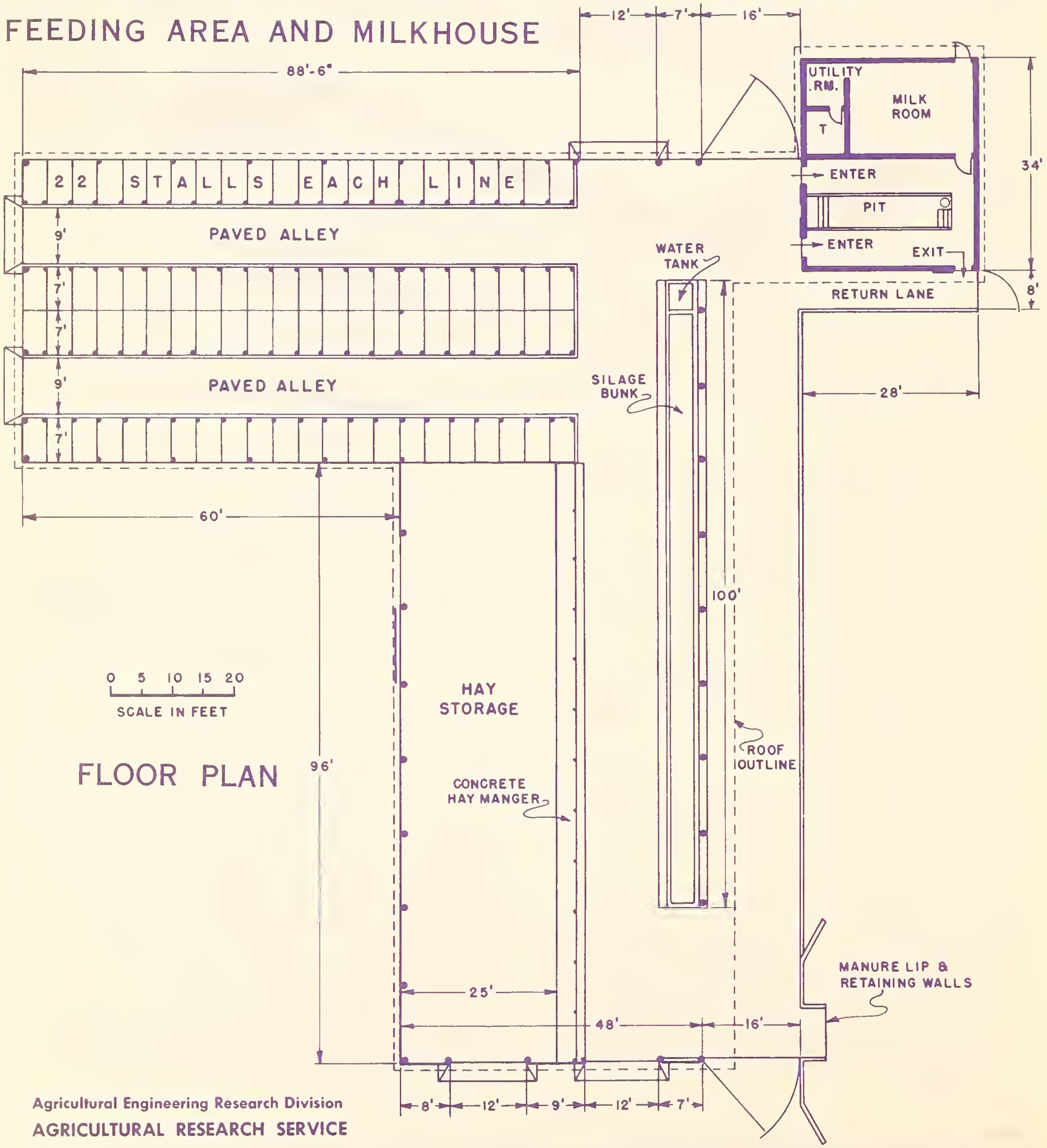


FEEDING AREA AND MILKHOUSE



FLOOR PLAN

Agricultural Engineering Research Division

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